

ABSTRACT OF THE DISCLOSURE

A system and a method is disclosed for setting up, modifying and tearing down a down-stream communication session in a basic service set (BSS) in a wireless local area network (WLAN) such that the communication session has a defined quality of service (QoS) Regarding setting up a down-stream communication session, a first Path message and
5 a first Resv message (Path/Resv message) of a RSVP protocol are detected at a designated subnet bandwidth manager (DSBM) in a station having a point coordinator (PC). The first Resv message originates from a subnet bandwidth manager (SBM) of a non-PC station in the BSS, and requests a resource reservation for setting up a down-stream session between the PC station and at least one destination non-PC station in the BSS. A QoS parameter set and
10 a classifier from the first Path/Resv message for the session are extracted at the DSBM. Then, it is determined at the DSBM whether to admit the down-stream session to the network based on the QoS parameter set defining the session and a channel status report on a medium access control (MAC) sublayer of the BSS. When the down-stream session is admitted, setting up by a QoS management entity (QME) of the PC station sets up a virtual down-
15 stream (VDS) between the PC station and the destination non-PC station for transporting the down-stream session traffic. The DSBM is part of the QME in the PC station.